

Tissue	Fraction of total volume ^a		Fraction of cell volume ^b		Fraction of total lipid	
	Cells	Interstitium	Water	Lipid	Protein	Neutral Lipid ^c
Adipose	0.86	0.14	0.03	0.92	0.06	1
Bone	0.9	0.1	0.26	0.02	0.21	0.85
Brain	1	0.004	0.79	0.11	0.08	0.39
Gut	0.9	0.096	0.78	0.07	0.15	0.69
Heart	0.86	0.14	0.7	0.11	0.19	0.48
Kidneys	0.78	0.22	0.73	0.06	0.21	0.26
Liver	0.82	0.18	0.68	0.08	0.21	0.29
Lung	0.5	0.5	0.74	0.04	0.11	0.51
Muscle	0.88	0.12	0.76	0.01	0.19	0.49
Skin	0.69	0.31	0.47	0.14	0.41	0.9
Spleen	0.79	0.21	0.75	0.02	0.23	0.3
Testes	0.9	0.1	0.78	0.03	0.13	0
Red blood c	1-		0.63	0.01	0.33	0.3

a Values taken from (Kawai et al., 1994). Original values given as fraction of total organ volume were rescaled.

b Values taken from (ICRP, 1975). Original values given as fraction of total tissue mass were rescaled.

c Data taken from (Rodgers et al., 2005a).

d Values taken from ([Waddell and Bates, 1969], [Malan et al., 1985], [Wood and Schaefer, 1978], [Schaefers et al., 1978]).
e Data taken from (Gomez et al., 2002).

Fraction of total lipid

Neutral Phospholipid ^c	Acidic Phospholipid ^c	pH ^d
0.0022	0.0006	7.1
0.11	0.04	7
0.48	0.13	7.1
0.26	0.05	7
0.43	0.09	7.1
0.61	0.13	7.22
0.59	0.11	7.23
0.38	0.11	6.6
0.42	0.09	6.81
0.08	0.02	7
0.54	0.15	7
0.83	0.18	7
0.59	0.1	7.2

re rescaled to tissue volume by subtracting vascular volume.

ed to cellular volume as follows: Water fraction of total tissue reduced by interstitial volume and subsequently all v

nker and Less, 1977], [Harrison and Walker, 1979] and [Civelek et al., 1996]). Mean values were calculated when more than one value was found for the same tissue.

values normalized by cellular fraction.